

Patent Abstracts of Japan

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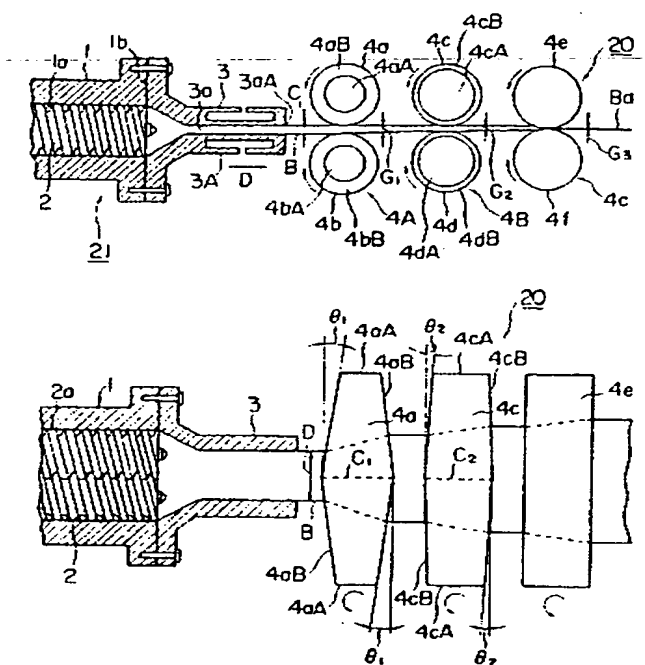
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APPLICANT : JAPAN STEEL WORKS LTD:THE;

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TITLE : PRODUCTION OF FIBROUS FILM
FOOD AND APPARATUS THEREFOR



ABSTRACT : PURPOSE: To obtain a fibrous film food excellent in texture and chewiness by extruding a vegetable protein-containing material as a platy molded body using a twin-screw extruder and then rolling the resultant extrusion molded product through plural roll parts having a specific construction in the direction perpendicular to the extruding direction.

CONSTITUTION: A vegetable protein-containing material is extrusion molded through a cooling die 3 of a twin-screw extruder 21 into a platy form and the resultant extrusion molded product (B) is rolled through plural roll parts (4A), (4B) and (4C) in the direction perpendicular to the extruding direction. Respective rolls (4a), (4b), (4c) and (4d) of the aforementioned roll parts (4A) and (4B) are provided with tapered surfaces (4aB), (4bB), (4cB) and (4dB) having prescribed tilt angles (θ_1) and (θ_2) reducing the diameter from the central parts (C_1) and (C_2) toward the outer ends (4aA), (4bA), (4cA) and (4dA). Furthermore, the respective roll parts are constructed so as to decrease the tilt angles thereof in the extruding direction (D) ($\theta_1 > \theta_2$). The tilt angle of the rolls (4e) and (4f) in the final roll part (4C) is 0°.

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